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T.Y.B.Sc. (Computer Science)
CS - 3610: Software Testing and Tools
(Semester-VI) (2019 Pattern) (Paper VII) (CBCS)

Time : 2 Hours]   *[Max. Marks : 35*

Instructions to the candidates :
  1) *All questions are compulsory.*
  2) *Figures to the right indicate full marks.*

Q1) Attempt any **Eight** of the following (Out of TEN):   [8 × 1 = 8]

    a)   Define smoke testing.

    b)   Define code coverage with formula.

    c)   Enlist any two bug tracking tool.

    d)   Explain test plan.

    e)   Enlist any two types of loop testing.

    f)   Enlist any two objective of writing test cases.

    g)   What are functional defects?

    h)   Enlist any two types of defects.

    i)   What is automation testing?

    j)   Silk test is most popular testing tool specifically design for regression and functionality testing. State true or false.

Q2) Attempt any **Four** of following (out of Five):   [4 × 2 = 8]

    a)   Enlist any two feature of bugzilla.

    b)   Write any two advantages of branch coverage.

    c)   What is test summary report?

    d)   Write any two causes of defect.

    e)   Write any two limitations of manual testing.

Q3) Attempt any Two of following (Out of Three): [2 × 4 = 8]

a) What are entry and exit criteria?

b) Explain path coverage testing.

c) Explain design defects with its different types.

Q4) Attempt any Two of following (Out of Three): [2 × 4 = 8]

a) Write test plan for the functionality of Flipkart login page.

b) Explain winrunner tool.

c) Consider following code-

Inpur (int x,int y){

Sub=x-y;

If(sub>0)

Print("Positive")

else

Print("Negative")

}

Test case 1: x = 10, y = 03

Test case 2: x = 10, y = 15

Consider the above test cases and find the percentage of statement coverage.

Q5) Attempt any One of following (Out of Two): [1 × 3 = 3]

a) Explain severity defect with its types.

b) What are unit testing and load testing.

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Q3) **Attempt any Two of following (Out of Three):** [2 × 4 = 8]

   a)   What are entry and exit criteria?

   b)   Explain path coverage testing.

   c)   Explain design defects with its different types.

Q4) **Attempt any Two of following (Out of Three):** [2 × 4 = 8]

   a)   Write test plan for the functionality of Flipkart login page.

   b)   Explain winrunner tool.

   c)   Consider following code-

```
Inpur (int x,int y){
Sub=x-y;
If(sub>0)
Print("Positive")
else
Print("Negative")
}
```

      Test case 1: x = 10, y = 03

      Test case 2: x = 10, y = 15

      Consider the above test cases and find the percentage of statement coverage.

Q5) **Attempt any One of following (Out of Two):** [1 × 3 = 3]

   a)   Explain severity defect with its types.

   b)   What are unit testing and load testing.

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